

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S19	312	plasma adj (jet torch) and (annular torroidal ring doughnut)	DERWENT	OR	ON	2005/08/18 17:04
S20	138	plasma adj (jet torch) with (annular torroidal ring doughnut)	DERWENT	OR	ON	2005/08/18 15:39
S21	33	S19 and (annular torroidal ring doughnut) near (discharge plasma jet torch)	DERWENT	OR	ON	2005/08/18 17:09
S22	2087	plasma adj (jet torch) and (annular torroidal ring doughnut)	US-PGPUB; USPAT	OR	ON	2005/08/18 17:08
S23	333	plasma adj (jet torch) with (annular torroidal ring doughnut)	US-PGPUB; USPAT	OR	ON	2005/08/18 17:08
S24	77	S23 and (annular torroidal ring doughnut) near (discharge plasma jet torch)	US-PGPUB; USPAT	OR	ON	2005/08/18 17:43
S25	61	S22 and (plasma discharge) near (cross-section profile)	US-PGPUB; USPAT	OR	ON	2005/08/18 17:44
S26	2	(US-4440556-\$ or US-4440558-\$).did.	USPAT	OR	OFF	2005/08/18 18:17

S27	35	("3652248"   "3957474"   "3966446"   "3990873"   "4017288"   "4030901"   "4062665"   "4126436"   "4135901"   "4224046"   "4225330"   "4230472"   "4242118"   "4349373"   "4383843"   "4400190"   "Re30883").PN. OR ("4440556"   "4440558").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 18:18
S28	0	"19925790.6"	EPO; DERWENT	OR	ON	2005/11/15 13:56
S29	2	"19925790"	EPO; DERWENT	OR	ON	2005/11/15 14:38
S30	311	(annular\$3 torroid \$4 doughnut donut ring hollow) near plasma	EPO; DERWENT	OR	ON	2005/11/15 15:31
S31	54	S30 and (shap\$3 contour\$3 polish\$3)	EPO; DERWENT	OR	ON	2005/11/15 15:32
S32	2	S31 and (damag\$3 defect)	EPO; DERWENT	OR	ON	2005/11/15 15:33
S33	6	S30 and (shap\$3 contour\$3 polish\$3) and (optic\$4 lens lenses)	EPO; DERWENT	OR	ON	2005/11/15 15:18
S34	16	S30 and (optic\$4 lens lenses)	EPO; DERWENT	OR	ON	2005/11/15 15:31
S35	10	S34 not S33	EPO; DERWENT	OR	ON	2005/11/15 15:18
S36	887	(annular\$3 torroid \$4 doughnut donut ring hollow) near plasma	US-PGPUB; USPAT	OR	ON	2005/11/15 15:31
S37	307	S36 and (optic\$4 lens lenses)	US-PGPUB; USPAT	OR	ON	2005/11/15 15:32
S38	752	S36 and (shap\$3 contour\$3 polish\$3)	US-PGPUB; USPAT	OR	ON	2005/11/15 15:32

S39	264	S37 and S38	US-PGPUB; USPAT	OR	ON	2005/11/15 15:32
S40	416	S36 and (damag\$3 defect)	US-PGPUB; USPAT	OR	ON	2005/11/15 15:33
S41	136	S39 and S40	US-PGPUB; USPAT	OR	ON	2005/11/15 15:33
S42	300	(US-6660177-\$ or US-5376224-\$ or US-4838978-\$ or US-4952237-\$ or US-5421850-\$ or US-4992642-\$ or US-5709784-\$ or US-6319868-\$ or US-5998932-\$ or US-6475753-\$ or US-5939827-\$ or US-6090712-\$ or US-5460284-\$ or US-5485935-\$ or US-5290382-\$ or US-5336355-\$ or US-6004473-\$ or US-6207570-\$ or US-4250373-\$ or US-5695663-\$ or US-4438316-\$ or US-5265849-\$ or US-5288960-\$ or US-5326955-\$ or US-5328516-\$ or US-5560843-\$).did. or (US-5643475-\$ or US-5726416-\$ or US-5750954-\$ or US-5787566-\$ or US-5801355-\$ or US-6359251-\$ or US-6622058-\$ or US-4816637-\$ or US-5558786-\$ or US-5653896-\$ or US-6121570-\$ or US-6232575-\$ or US-5380976-\$ or US-5414236-\$ or US-5464962-\$ or US-5601734-\$ or US-5977510-\$ or US-6130399-\$ or	USPAT	OR	ON	2005/11/15 15:36

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S43	0	S41 and S42	US-PGPUB; USPAT	OR	ON	2005/11/15 15:36
S44	8	S36 and S42	US-PGPUB; USPAT	OR	ON	2005/11/15 15:36
S45	33	(US-4440558-\$ or US-4440556-\$ or US-6207924-\$ or US-5925266-\$ or US-5908566-\$ or US-5354962-\$ or US-5095189-\$ or US-5556558-\$ or US-4266113-\$ or US-4035604-\$ or US-6156993-\$ or US-6452129-\$ or US-6337460-\$ or US-5705787-\$ or US-4482246-\$ or US-6084199-\$ or US-5298714-\$ or US-4764656-\$ or US-6268583-\$ or US-4958767-\$ or US-5994663-\$).did. or (DE-4302630-\$ or WO-9835379-\$). did. or (JP- 05135896-\$).did. or (US-5304770-\$ or FR-2586334-\$ or GB-2030830-\$ or JP- 60187605-\$ or DE- 10002734-\$ or EP- 577344-\$ or EP- 550003-\$ or EP- 96878-\$ or US- 4476085-\$).did.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/11/15 15:53

S46	23	(US-4440558-\$ or US-4440556-\$ or US-6207924-\$ or US-5925266-\$ or US-5908566-\$ or US-5354962-\$ or US-5095189-\$ or US-5556558-\$ or US-4266113-\$ or US-4035604-\$ or US-6156993-\$ or US-6452129-\$ or US-6337460-\$ or US-5705787-\$ or US-4482246-\$ or US-6084199-\$ or US-5298714-\$ or US-4764656-\$ or US-6268583-\$ or US-4958767-\$ or US-5994663-\$).did. or (DE-4302630-\$ or WO-9835379-\$). did. or (JP- 05135896-\$).did. or (US-5304770-\$ or FR-2586334-\$ or GB-2030830-\$ or JP- 60187605-\$ or DE- 10002734-\$ or EP- 577344-\$ or EP- 550003-\$ or EP- 96878-\$ or US- 4476085-\$).did.	US-PGPUB; USPAT	OR	ON	2005/11/15 15:53
S47	279	("0029304"   "2862099"   "2992869"   "3004189"   "3062451"   "3242305"   "3264508"   "3296410"   "3346717"   "3347698"   "3471675"   "3523834"   "3536885"   "3546522"   "3582604"   "3586905"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:54

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S48	5	S36 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:55
S49	14	S42 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 15:55
S50	98	("2992869"   "3062451"   "3264508"   "3346717"   "3347698"   "3523834"   "3546522"   "3582604"   "3586905"   "3596047"   "3652248"   "3694618"   "3783227"   "3894209"   "3957474"   "3966446"   "3990873"   "4017288"   "4030901"   "4062665"   "4065057"   "4126436"   "4135901"   "4224046"   "4225330"   "4230472"   "4242118"   "4242562"   "4349373"   "4370538"   "4383843"   "4400190"   "4416421"   "4540121"   "4616779"   "4665296"   "4683367"   "4795879"   "4805833"   "4818916"   "4847466"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/15 16:05

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S52	1	S36 and S51	US-PGPUB; USPAT	OR	ON 2005/11/15 16:23
S53	1	S42 and S51	US-PGPUB; USPAT	OR	ON 2005/11/15 16:23
S54	17	(US-6207924-\$ or US-5298714-\$ or US-5095189-\$ or US-4958767-\$ or US-4440558-\$ or US-4440556-\$ or US-4035604-\$ or US-5932293-\$ or US-5908566-\$ or US-5545246-\$ or US-5012065-\$ or US-4578560-\$ or US-4349373-\$).did. or (EP-550003-\$ or EP-96878-\$ or US- 4476085-\$ or GB- 2030830-\$).did.	USPAT; DERWENT	OR	ON 2005/11/15 16:24

S55	8	rapt.as.	US-PGPUB; USPAT	OR	ON	2005/11/15 16:34
S56	13	10/002035 10/002483 10/008236 10/383478 10/384506 10/608384 10/754326 10/868426 10/911821 10/913739 10/913808 11/089966	US-PGPUB; USPAT	OR	ON	2005/11/15 16:35
S57	0	equilibri\$2 with plasma	US-PGPUB; USPAT	OR	ON	2005/11/21 11:40
S58	1433	equilibri\$2 with plasma	US-PGPUB; USPAT	OR	ON	2005/11/21 14:08
S59	328	S58 and etch\$3	US-PGPUB; USPAT	OR	ON	2005/11/21 11:41
S60	292	S59 and deposit\$3	US-PGPUB; USPAT	OR	ON	2005/11/21 11:41
S61	10	equilibri\$2 with plasma with etch\$3 with deposit\$3	US-PGPUB; USPAT	OR	ON	2005/11/21 11:48
S62	3	(US-6294102-\$ or US-5989625-\$ or US-4795529-\$).did.	USPAT	OR	ON	2005/11/21 11:59
S63	227	plasma adj torch with (shap\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface)	US-PGPUB; USPAT	OR	ON	2005/11/21 14:15
S64	6	plasma adj torch with (shap\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface) with ((plasma inert Ar argon He helium Ne neon xe xenon )adj gas and (reactive precursor auxil [\$2ry]))	US-PGPUB; USPAT	OR	ON	2005/11/21 12:05

S65	291	equilibri\$2 with plasma	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:08
S66	19	equilibri\$2 with plasma and etch\$3	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:09
S67	266	plasma adj torch with (shap\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:16
S68	100	plasma adj torch with (shap\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:17
S69	0	plasma adj torch with (shap\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface) with ((plasma inert Ar argon He helium Ne neon xe xenon )adj gas and (reactive precursor auxil \$2ry))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:17
S70	0	plasma adj torch with (shap\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface) and ((plasma inert Ar argon He helium Ne neon xe xenon ) adj gas and (reactive precursor auxil \$2ry))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:18

S71	17	plasma adj torch with (shape\$3 contour\$3 planar\$6 etch\$3 deposit\$3) with (workpiece wafer substrate surface) and (plasma inert Ar argon He helium Ne neon xe xenon) adj gas	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/21 14:18
S72	2	("6660177").PN.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 04:55
S73	70	("4050408"   "4306175"   "4431898"   "4431901"   "5106827"   "5200595"   "5238532"   "5254830"   "5280154"   "5290382"   "5291415"   "5292400"   "5298103"   "5336355"   "5344524"   "5346578"   "5364496"   "5372674"   "5375064"   "5376224"   "5386119"   "5405480"   "5419803"   "5430355"   "5563709"   "5591068"   "5650032"   "5676863"   "5688415"   "5767627"   "5795493"   "5811021"   "5811022"   "5863829"	US_PGPUB; USPAT; USOOR	OR	ON	2006/03/09 04:57

		"5877471"   "5897712"   "5942445"   "5944902"   "5955383"   "5961772"   "5965034"   "5981392"   "6004866"   "6017221"   "6028286"   "6030489"   "6040548"   "6056848"   "6068784"   "6073578"   "6074947"   "6085688"   "6093655"   "6105534"   "6139678"   "6143129"   "6153852"   "6170428"   "6194036"   "6200908"   "6203661"   "6207924"   "6209480"   "6214161"   "6218640"   "6228330"   "6238587"   "6239004"   "6239553"   "6245202").PN. OR ("6660177").URPN.				
S74	3	("4532199"   "5256205"   "5683548").PN.	USPAT	OR	ON	2007/03/22 14:05
S75	5	(ICP inductiv\$4) with plasma with (jet torch) with sheath	US-PGPUB; USPAT	OR	ON	2008/03/12 23:57
S76	4	(ICP inductiv\$4) same plasma with (jet torch) same sheath not S75	US-PGPUB; USPAT	OR	ON	2008/03/13 00:02

S77	86	(ICP inductiv\$4) same plasma with (jet torch) and sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:06
S78	77	(ICP inductiv\$4) with plasma with (jet torch) and sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:07
S79	0	(ICP inductiv\$4) with plasma with (jet torch) same sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:07
S80	0	(ICP inductiv\$4) with plasma same (jet torch) same sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:07
S81	0	(ICP inductiv\$4) same plasma same (jet torch) same sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:07
S82	87	(ICP inductiv\$4) same plasma same (jet torch) and sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:08
S83	8673	(ICP inductiv\$4) same plasmawith (jet torch) and sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:08
S84	86	(ICP inductiv\$4) same plasma with (jet torch) and sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:08
S85	77	(ICP inductiv\$4) with plasma with (jet torch) and sheath not (S75 S76)	US-PGPUB; USPAT	OR	ON	2008/03/13 00:08

S86	23	((ICP inductiv\$4) near plasma with (jet torch) and sheath not (S75 S76))	US-PGPUB; USPAT	OR	ON	2008/03/13 00:08
S87	21	((ICP inductiv\$4) near plasma near (jet torch) and sheath not (S75 S76))	US-PGPUB; USPAT	OR	ON	2008/03/13 00:08
S88	56	S85 not S87	US-PGPUB; USPAT	OR	ON	2008/03/13 00:14
S89	1	S82 not S84	US-PGPUB; USPAT	OR	ON	2008/03/13 00:30
S90	233	((ICP inductiv\$4) same plasma and (jet torch) and sheath not (S75 S76))	US-PGPUB; USPAT	OR	ON	2008/03/13 00:31
S91	148	((ICP inductiv\$4) same plasma and (jet torch) and sheath not (S75 S76 S82))	US-PGPUB; USPAT	OR	ON	2008/03/13 00:31
S92	68	((ICP inductiv\$4) same plasma and plasma same (jet torch) and sheath not (S75 S76 S82))	US-PGPUB; USPAT	OR	ON	2008/03/13 00:32
S93	52	((JEFFREY) near2 (CARR)).INV.	US-PGPUB; USPAT	OR	ON	2008/10/31 14:34
S94	52	("3264508"   "3937866"   "3953704"   "4035604"   "4339326"   "4439463"   "4668366"   "4689467"   "4739147"   "4771015"   "4897282"   "4908492"   "4924061"   "5000771"   "5007771"   "5144151"   "5302237"	US-PGPUB; USPAT	OR	ON	2008/12/11 14:46

	"5321224"			
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	"5364434"			
	"5429730"			
	"5468955"			
	"5474642"			
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	"6663231"			
	"6683272"			
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	"7297892"			
	"7304263"			
	"7311851").PN.			

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